



## Label printer

**a8+** The extra broad

## Precise printing: elaborate – made easy

### Transfer printer A8+



#### 1 Big graphic display

White backlight guarantees optimal legibility.

#### 2 Ribbon retainer

The three-part tightening axles allow a fast and easy ribbon exchange.

#### 3 Easy adjustment

The print head is pressed down with two sliding toggles. One is mounted to the left label margin, the other one is pushed to the right label margin.

#### 4 Peripheral connection

Add-on modules like cutter, external rewinder, present sensor, peel-off

adapter and applicators can be easily connected via USB peripheral interface. All peripheral devices are put onto the printer with two gudgeons and fixed with a bolt.

#### 5 Solid, buckling resistant metal chassis

It is made of dye-cast aluminium. All devices are assembled to it.

#### 6 Roll holder

Applicable for core diameters as of 38 mm. (we include adapters for core diameters from 76 mm for a better winding of the labels). The spring mounted margin stop

ensures constant tension while feeding and therefore a highly precise imprint.

#### 7 Only one tool for all maintenance tasks

The Allen key is located ready to hand directly at the printer.



## All required interfaces



- 1 RS232C interface.
- 2 USB 2.0 Slave interface.
- 3 Ethernet 10/100 Base T-interface with TCP/IP.
- 4 Slot for Wireless LAN-Wifi-card.
- 5 Two USB-Master-interfaces to connect an external operation panel, keyboard, scanner or Service Key.
- 6 Slot for memory card CompactFlash Type I.

### Options

Centronics interface bi-directional acc. IEEE 1284.  
Interface RS422/RS485 1.200 bis 230.400  
Baud/8 Bit.



The interfaces are plugged onto the PC.  
Connection to the printer via mini USB  
connection cable.



Label selection box – I/O box.  
Up to 16 different labels can be loaded via SPS  
from a memory card. Operation of four in-/outputs  
via Basic Interpreter.



cab WLAN card 802.11 b/g.



## Stand-alone operation

Printing with a cab printer without PC.

### Accessories for the stand-alone operation



#### Memory card

CompactFlash Type I



#### Compact keyboard

Connection: USB

Number of keys: 86

L x W mm: 282 x 132, Cherry Classic Line G84-4100 LCM



#### Standard keyboard

Connection: USB

Number of keys: 115

L x W mm: 460 x 192, Cherry G83-6504 LAD

The functions of the devices and conformity to CE-standards  
are only warranted by using the accessories made by cab or  
recommended by cab.

The layout of the labels is created either with the label software  
or direct programming via text editor directly on the PC.  
Label formats, fonts and graphic data, serial data and data  
base contents are saved or imported on the CF memory card  
or the internal IFFS printer memory.

Only variable data is sent to the printer via keyboard or host  
computer before being printed out. Data of a barcode scanner  
or a scale can be fed additionally.



```
J Job Start
H 100 Speed (100 mm/s)
O R Orientation rotated by 180°
S I;0,0,68,70,100 Size of label (100x68 mm, gap 2 mm)
T 10,10,0,5,pt20;sample Text object/font: Swiss bold, 20 pt
B 10,20,0,EAN-13,SC2;401234512345 Barcode EAN 13, size SC 2
G 8,3,5,0;R:30,9,0,3,0,3 Graphic, box 30 x 9 mm,
Line strength 0.3 mm
A 1 Number of labels (in this example 1)
```

## Direct programming with J-Script

The printer language is easy to understand and integrate into your host system. Linkage of variable data with host application. Label design, graphics and fonts are recorded on the compact flash card. The host computer sends only the variable data to the printer.

## SAP® Printer Vendor Program



Upload-Method SAP R/3 note no. 137431

## Integration into SAP R/3

In collaboration with SAP cab developed the so-called "Replace method" in order to control the cab printers with SAPScript from SAP/R3.

As Silver Level-partner in SAP's Printer Vendor Program cab has access to the SAP development area for optimal printer support in an SAP environment.

SAP and R/3 are registered trademarks of SAP AG.

```

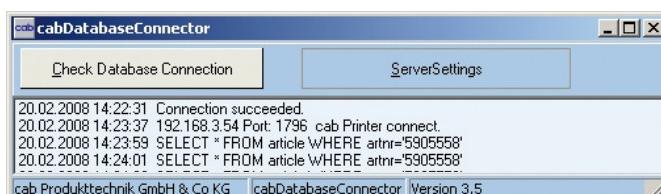

DEFAULT.LBL - Editor
Datei Bearbeiten Format Ansicht ?
<ABC>
DO
  LINE INPUT a$
  IF LEFT$(a$,15)="194300301480070" THEN
    PRINT "R t2;";MID$(a$,16)
  ENDIF
  IF LEFT$(a$,15)="194300300580172" THEN
    PRINT "R t3;";MID$(a$,16)
  ENDIF
  IF LEFT$(a$,15)="194300301970073" THEN
    PRINT "R t1;";MID$(a$,16)
  ENDIF
LOOP
</ABC>

```

## abc - Basic Compiler

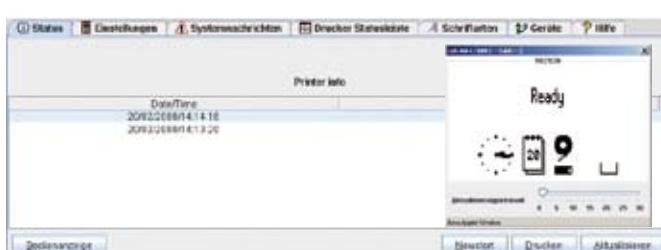
As an integrated element of the firmware it enables the printer to process data via BASIC programming before being transmitted to print editing. Thereby external printer languages can be replaced or data from other systems, e.g. SPS or a scale, can be transferred to be printed on different label sizes.

Example of use:  
Connection to a scale



## Database Connector

In the stand-alone mode with additional network connection the Database connector enables stand-alone printers to link up data from a SQL-compatible database and to print. Data can be rewritten and modified simultaneously with the printing process.





## Windows® driver

Our drivers are officially certified by Microsoft and ensure the direct creation and printing of labels from Windows-based programs like Word, Excel, Access, Works, Corel Draw etc.



## Apple-Mac OS X® driver\*

Alternatively cab offers a CUPS-based printer driver for MAC OS.



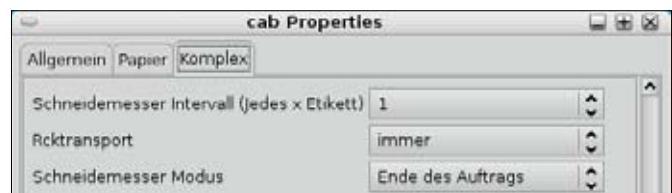
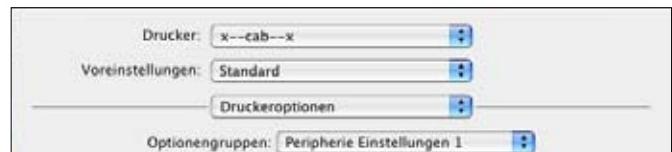
## Linux driver\*

Alternatively cab offers a CUPS-based printer driver for Linus.

\*not for XD4M

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MAC OS® is a registered trademark of Apple Computer, Inc.



cablabel R2	Lite	Pro
Windows 2000 SP4, XP Prof. SP2, Server 2003 SP2, Vista / 32 bit	■	■
24 languages	■	■
Label samples	■	■
Undo-function	■	■
Import of graphics	■	■
Graphic barcodes	9	37
Native printer barcodes	■	■
Support Windows driver	■	
Number of printers	1	99
Database Manager (Access, DBF, ASCII, OLEDB, ODBC)	■	
cab Database Connector	■	
Stand-alone operation	■	■
Support printer real-time clock	■	■
Internal printer counter	■	■
Text alignment	■	
User input (formular)	■	■
Formula editor	■	
UCC/EAN 128 and Maxicode wizard	■	

## Label software

The ideal design of a label is realizable by using different fonts, heights, widths and arrangements. cab offers a large number of internal bitmap and vector fonts. Most of the country-specific codepages are supported, which means that county-specific special characters can be printed – in 24 languages.

### ● cablabel R2 Lite

Extensive standard label software. You get it - free of charge - included in delivery.

### ● cablabel R2 Pro

Maximum flexibility – whether simple texts, barcodes, graphics or the connection of databases. A wizard supports the creation of a UCC/EAN 128 barcode. It helps to open and handle several labels at the same time. Objects can be copied, moved and inserted into another label. It provides its own internal printer drivers which can communicate with the printer functions individually via J-Script.

### Additional label software

Optimum variability – the transfer printers and the print & apply systems from cab can be easily controlled with other merchantable software like Codesoft, Easylabel, Bartender, NiceLabel or Labelview.

<b>1. Print head</b>		<b>A8+</b>
Print method		Thermal transfer / Thermal direkt
Print resolution dpi		300
Print speed up to mm/s		30, 40, 50, 75, 100, 125, 150
Print width mm		216
<b>2. Material</b>		
Labels, continuous rolls or fan-folded		paper, cardboard, textile, synthetics like PET, PE, PP, PVC, PU, Acrylat, PI
Material thickness mm / weight g/m <sup>2</sup>		0.055 - 1.2 / 60 - 300
Label width <sup>1)</sup> mm		50 - 220
Width of liner or of continuous material mm		50 - 235
Label height <sup>1)</sup> mm		10 - 1000
Media roll: Total diameter up to mm		205
Core diameter mm		38 - 100
Winding direction		outside or inside
<b>3. Ribbon</b>		
Ink		outside or inside
Roll diameter up to mm		72
Core diameter mm		25
Ribbon length variable up to m		360
Width up to mm		220
<b>5. Dimensions of the printer</b>		
Height x Depth mm		274 x 446
Width mm		352
Weight kg		15
<b>6. Label sensor</b>		
See-through sensor		for leading edge of the label or punching marks and end of material
Reflective sensor from the bottom / from the top		for printing marks
Distance to locating edge mm		5 - 53
<b>7. Electronics</b>		
Processor high speed 32 Bit ColdFire/Clock rate MHz		266
(RAM) MB		64
Memory IFFS MB Flash		8
Slot for memory CompactFlash-card Type I		■
Slot for Wireless LAN-card		■
Battery cache for		Real-time clock, printout of time and date Storage of data with shut-down
Warning signal		Acoustic signal when error
<b>8. Interfaces</b>		
Centronics bi-directional acc. IEEE 1284		<input type="checkbox"/>
RS232 C 1.200 up to 230.400 Baud/8 Bit		<input checked="" type="checkbox"/>
USB 2.0 High Speed Slave for PC-connection		<input checked="" type="checkbox"/>
Ethernet 10/100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP		<input checked="" type="checkbox"/>
RS422, RS485 1.200 up to 230.400 Baud/8 Bit		<input type="checkbox"/>
Peripheral connection		<input checked="" type="checkbox"/>
WLAN card 802.11b/g WEP/WPA PSK (TKIP)		<input type="checkbox"/>
2 x USB Master for		external operation panel, keyboard, scanner or service key
<b>9. Operation data</b>		
Power supply		100 - 240 V ~ 50/60 Hz, PFC
Power consumption		max. 300 W
Operation temperature		10 - 35°C
Humidity		30 - 85% not condensing
Approvals		CE, FCC class A, CB, CCC, UL

<sup>1)</sup> Depending on label size, material and adhesive limitations are possible.  
Critical material or applications have to be tested and cleared.

■ Standard  Option

<b>10. Operation panel</b>		
Buttons illuminated/ LED-Graphics:	Pause, Feed, Cancel, Menu, Enter, 4 x Cursor	
LCD graphic display:	Width 60, Height 40 mm 4 lines, characters about 20	
<b>11. Settings</b>		
	Time, date, digital or analog clock 25 language settings system settings, print parameters, interfaces, security	
<b>12. Monitoring</b>		
Stop printing if	End of ribbon End of labels Print head open	
On the display	Data reception WLAN field intensity Ethernet state Used memory Temperature print head Access to memory card Remaining quantity of ribbon	
<b>13. Test routines</b>		
System diagnosis	when switched on with testing of print head	
Short Status, Status print	font list, device list, WLAN state, profile of label, test grid, monitor mode, PPP state	
Status reports	Extensive status print with information about setting, e.g. print length counter, runtime counter etc. Request of machine state via software command. Detailed status messages on the display, e.g. network error-no link, barcode error etc.	
<b>14. Fonts</b>		
Font types	5 Bitmap fonts incl. OCR-A, OCR-B and 3 Vector fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts. Optional Chinese (simplified Chinese) Optional Thai	
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBCDIC 500, ISO 8859-1 up to -10 and -13 up to -16, Win OEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R. All West and East European latin, cyrillic, greek, hebrew and arabic characters are supported. Optional Thai and Chinese	
Bitmap-Fonts	Size of width and height 1 - 3 mm zoom 2-10. Orientation 0°, 90°, 180°, 270°	
Vector-/TrueType fonts	Size of width and height 0.9 - 128 mm variable zoom, Orientation 360° in steps of 1°	
Font formats	Bold, italic, underlined, outline, negative, grey, vertical, depending on character fonts	
Font width	Variable	
<b>15. Graphics</b>		
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
<b>16. Codes</b>		
Linear Barcodes	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C Codabar EAN 8, 13 EAN/UCC 128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Interleaved 2/5 Ident- and leader code of Deutsche Post AG JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0
2D-Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN-Datamatrix, GS1 Data Bar	All codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and Start/Stop code depending on code type.
<b>17. Software</b>		
Programming	J-Script direct programming abc-Basic Compiler Database Connector	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
System diagnosis/ Administration	printer monitoring Network Manager	<input checked="" type="checkbox"/> <input type="checkbox"/>
cab Label software	cablabel R2 Lite* cablabel R2 Pro Easylabel, Codesoft	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Additional Label software	Nicelabel, Bartender Label Matrix, Labelview	<input type="checkbox"/> <input type="checkbox"/>
Windows driver	2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit	<input checked="" type="checkbox"/>
Mac driver*	OS X printer driver from version 10.3	<input checked="" type="checkbox"/>
Linux driver*	Testet with Suse 9.0, CUPS based	<input checked="" type="checkbox"/>
Stand-alone operation		<input checked="" type="checkbox"/>
*not for XD4M		Standard <input checked="" type="checkbox"/> Option <input type="checkbox"/>
Authorised distribution by resellers. <input type="checkbox"/>		



**Innovative technology for a better  
climate protection.  
Energy-saving.  
Environmentally conscious.**

The specifications are according to our current technical knowledge. They are subject to change.

## Cutting, winding and unwinding of material



### Cutter

The cutter is used to cut paper, pressure sensitive labels, cardboard, textiles, synthetics or heat shrink tubes.

Cutter CU8	
Material width up to mm	232
Weight of material gr/m <sup>2</sup> /cardboard	60 - 500
Material thickness mm	0.05 - 1.2
Cutting length mm	< 5
Gap height up to mm	2.5
Cuts/min.	100
Stop print job if	Final position not reached



### External rewinder ER 1/2/3 for direct connection of the printer

The rewinder is screwed directly onto the printer. The label winding is optional inside or outside. A smooth and tight winding is due to the electronic control of the swing arm.



### External rewinder ER 4/6/8 with built-in power supply

The rewinder can be attached to almost every other printer. All other technical data are according to the rewinder ER 1/2/3.



### External unwinder EU 4/6/8

It enables a smooth feeding of labels for heavy rolls. The unwinder works both with inside and outside wound labels.

All examples for accessories are pictured with the thermal transfer printer A4+.



### External panel

If the panel is not accessible anymore, e.g. after installation within a facility, it is possible to install an external panel. Additionally there is a slot for a CF memory card Type I and a USB Master interface.

### Pause adapter PS7 for basic and dispense devices

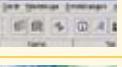
The print job is stopped with the pause signal. The activ label is finished, e.g. by using a label loop.  
 Inputs: Pause, external error  
 Outputs: No print job,  
 printer not ready,  
 print job active



	External rewinder		External unwinder
	ER3/210	ER8/300	EU8/300
Material width up to mm	235	235	235
Roll Ø max. mm	205	300	300
Core Ø mm	40 / 76	40 / 76	40 / 76
Operating voltage	from transfer printer	100 - 240 V~ 50/60 Hz	-
Label winding		outside or inside	

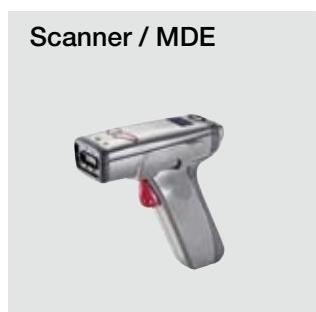
# Delivery program

9

Part No.	Hardware	dpi	Part No.	Accessories
	<b>5954517.101</b> Transfer printer A8+ with metal cover	300		<b>5954380.001</b> External operation panel
	<b>59545xx.102</b> Printer with RFID (RFID)	Read/Write unit 13,56 MHz		<b>5901630</b> Compact keyboard USB, Cherry Classic Line G84-4100 LCM
	<b>Content of delivery:</b>  <b>CD-ROM:</b>	Transfer printer, Power cable Type E+F, length 1,8 m Operation manual German/English  Brief instruction Quick Start in 17 languages, Operating manual German/English, Service manual German/English, Spare part list German/English,  Programming manual English, Windows printer driver 32/64 bit in 19 languages for Windows 2000 / XP / 2003 and Vista, MAC OS X and Linux driver, German/English and French Database Connector English cablabel R2 lite in 24 languages, operation manual English, French, Spanish, Italian and German		<b>5901626</b> Standard keyboard USB Cherry G83-6504 LAD
Part No.	Consumables		Part No.	Interfaces
	<b>5954107.001</b> Print head 8/300			<b>5954200</b> Centronics interface
	<b>5954103.001</b> Print roller DR8			<b>5954201</b> RS422/RS485 interface
Part No.	Accessories			<b>5954191</b> Label selection - I/O-Box
	<b>5948002</b> Cutter CU8			<b>5561041</b> WLAN-card 802.11 b/g
	<b>5959622</b> Adapter 100		Part No.	Connecting cable
	<b>5945802</b> External rewinder ER3/210			<b>5901616</b> Cable USB length 3 m
	<b>5945804</b> External rewinder ER8/300			<b>5550818</b> Cable RS232 C 9/9-pin, length 3 m
	<b>5945806</b> External unwinder EU8/300		Part No.	Software
	<b>5948170</b> Connection set for ER/EU			<b>5580212</b> Database Connector
	<b>5946146.001</b> Pause adapter PS7			<b>5580215</b> Administration Network Manager
				<b>5580221</b> on request Label software cablabel R2 Pro Easylabel, Codesoft
				<b>9008486</b> Programming manual English, printed copy

The specifications are according to our current technical knowledge. They are subject to change.

# The cab Delivery program



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